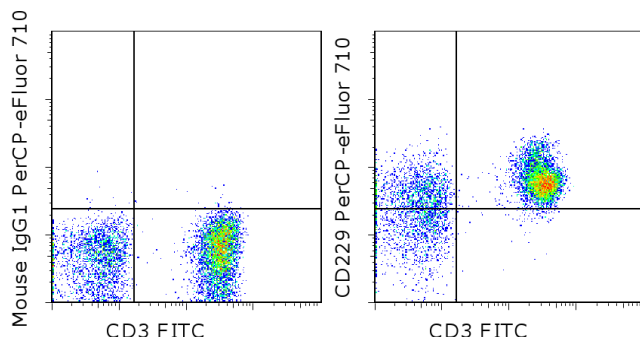


Anti-Human CD229 (Ly-9) PerCP-eFluor® 710

Catalog Number: 46-2299

Also known as: Ly9, SLAMF3

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (cat. 11-0037) and Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (cat. 46-4714) (left) or Anti-Human CD229 (Ly-9) PerCP-eFluor® 710 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD229 (Ly-9) PerCP-eFluor® 710



Catalog Number: 46-2299

Clone: HLY9.25

Concentration: 5 µL (0.06 µg)/test

Host/Isotype: Mouse IgG1



Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial

Description

This HLY9.25 monoclonal antibody reacts with human CD229 (also known as Ly9 or SLAMF3), an approximately 120-kDa member of the Signaling Lymphocyte Activation Molecule (SLAM) immunoglobulin superfamily. This type I transmembrane glycoprotein is expressed on a variety of immune cell types, including thymocytes, T and B lymphocytes, and natural killer cells. Expression of CD229 is also detected on T and B cell malignancies, including Jurkat and Burkitt lymphoma cells, respectively. CD229 has been shown to interact with SH2-binding phosphatases and the adaptor proteins SLAM-associated protein (SAP) and EAT-2. Moreover, CD229 localizes to the immunological synapse following T cell activation.

Applications Reported

This HLY9.25 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HLY9.25 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.06 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click [here](#) or contact eBioscience Technical Support for more information on eFluor™ Organic Dyes including PerCP-eFluor® 710.

References

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Romero X, Zapater N, Calvo M, Kalko SG, de la Fuente MA, Tovar V, Ockeloen C, Pizcueta P, Engel P. CD229 (Ly9) lymphocyte cell surface receptor interacts homophilically through its N-terminal domain and relocalizes to the immunological synapse. J Immunol. 2005 Jun 1;174(11):7033-42.

de la Fuente MA, Tovar V, Villamor N, Zapater N, Pizcueta P, Campo E, Bosch J, Engel P. Molecular characterization and expression of a novel human leukocyte cell-surface marker homologous to mouse Ly-9. Blood. 2001 Jun 1;97(11):3513-20. (**HLy9.25**, FC, Pubmed)

Related Products

17-2291 Anti-Mouse CD229 (Ly-9) APC (Ly9ab3)

46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (P3.6.2.8.1)